

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 58116031
 PUBLICATION DATE : 11-07-83

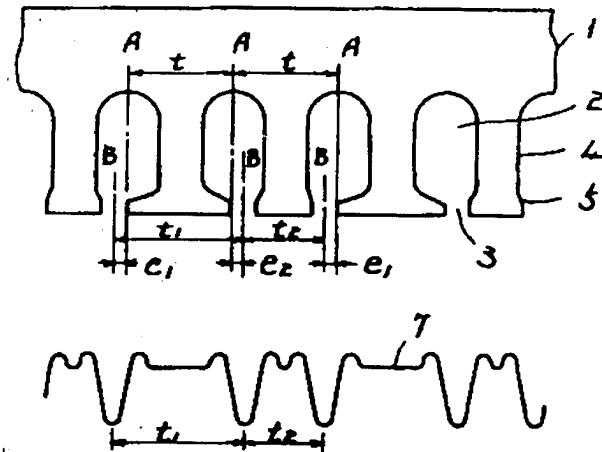
APPLICATION DATE : 28-12-81
 APPLICATION NUMBER : 56210971

APPLICANT : TOSHIBA CORP;

INVENTOR : ISHII YASUYOSHI;

INT.CL. : H02K 1/06

TITLE : CORE FOR ROTARY ELECTRIC MACHINE



ABSTRACT : PURPOSE: To reduce electromagnetic noise by displacing the center of a hole to the centers of respective slots formed at an equal interval at the adjacent slots, thereby reducing slot harmonics.

CONSTITUTION: Slots 2 are formed at an equal interval at a core 1, the center line B of the hole 3 having a width smaller than the slot 2 is displaced at a distance e_1 to the center line A of the slot 2, and the center line B of the hole 3 of the adjacent slot 2 is displaced at a distance e_2 in an opposite direction from the center line A of the slot 2. Further, the hole 3 of the adjacent slot 2 is sequentially displaced at the center line B to the center line A of the slot 2 at distances e_1 and e_2 in opposite direction, so that the interval of the holes 3 sequentially become t_1, t_2, t_1, \dots . In this manner, the period of the pulsating at every hole 3 of the magnetic flux density is alternately moved at the intervals t_1 and t_2 of the holes 3 in two types, thereby reducing the groove harmonics relating to the number of the holes 3.

COPYRIGHT: (C)1983,JPO&Japio